

CLAIMS

1. An acoustic device having a soundboard comprising expanded polycarbonate.
2. An acoustic device according to claim 1, said soundboard comprising an expanded polycarbonate sheet.
3. An acoustic device according to either one of the preceding claims, said soundboard having a cellular rigid foam structure.
4. An acoustic device according to any one of the preceding claims, said soundboard having a density of 500-700 kg/m³.
5. An acoustic device according to claim 4, said soundboard having a density of 650 kg/m³.
6. An acoustic device according to any one of the preceding claims, said soundboard having a tensile strength of about 20 MPa.
7. An acoustic device according to any one of the preceding claims, said soundboard having a flexural strength of about 30 N/mm².
8. An acoustic device according to claim 1, said soundboard comprising FOREX-EPC E 50.650.
9. An acoustic device according to any one of the preceding claims, comprising a musical instrument.

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10. An acoustic device according to claim 9, comprising a stringed musical instrument.

11. An acoustic device according to claim 10, comprising a stringed musical instrument selected from the group comprising guitar, violin, mandolin, base, lute, dulcimer, harp and piano.